

Answer on Question #52382, Physics, Electromagnetism

The work needed to lift the object of mass m to a height h is $A = m g h$, where g is the gravitational acceleration of the Earth. Since we are given weight $P = m g$, the work might be expressed as $A = P h$.

Making calculation, obtain $A = 294 \text{ N} \cdot 1 \text{ m} = 294 \text{ J}$. That is the work needed to lift the refrigerator back in a truck.

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